

CLAIMS

1. A protection device for circuit-breakers, characterized in that it comprises a wireless communication system for transmitting locally to a dedicated computerized device, information corresponding to measurements of electrical quantities, to the setting of the parameters typical of the protection functions, or to diagnostics information corresponding to the electrical system, to the circuit-breaker, or to the protection device itself.
2. A protection device according to Claim 1, characterized in that said dedicated computerized device is a PC, PDA or cell phone.
3. A protection device according to Claim 1, characterized in that said wireless communication system is an integral part of the protection device itself.
4. A protection device according to Claim 1, characterized in that said wireless communication system is an accessory module of said protection device.
5. A protection device according to Claim 4, characterized in that said accessory module is inside the circuit-breaker itself.
6. A protection device according to Claim 4, characterized in that said accessory module is outside the circuit-breaker itself.
7. A protection device according to one or more of the preceding claims, characterized in that said wireless communication system is activated automatically at the approach of any portable dedicated computerized device in the area of transmission, said computerized device being enabled for connection to the protection device itself.
8. A protection device according to one or more of Claims 1 to 6, characterized in that said wireless communication system is activated via a push-button set in an appropriate point of the module, without the device verifying continually or periodically the presence of a dedicated computerized device.
9. A protection device according to one or more of the preceding claims, characterized in that there is established an initial communication between a number of protection devices to a single dedicated computerized device.
10. A protection device according to Claim 9, characterized in that, following upon initial communication between a number of protection devices to a single dedicated computerized device, a choice is made for defining each time the active communication to a single protection device.
11. A protection device according to one or more of the preceding claims, characterized in

that the communication between said wireless communication system and said dedicated computerized device occurs according to hierarchical enabling protocols.

12. A protection device according to one or more of the preceding claims, characterized in that it transmits measurements corresponding to the electrical system and the parameters of the protection functions to devices dedicated for their display, which are set locally in the neighbourhood of the protection device itself.
13. A circuit-breaker, in particular a low-voltage one, including a device according to one or more of the preceding claims.